

## CHAPTER 9

### 9.0 LIST OF PREPARERS

John T. Baxter

Education: M.S. and B.S., Zoology

Experience: 21 years in protected aquatic species monitoring, habitat assessment, and recovery; 13 years in environmental review

Role: Aquatic Ecology, Threatened and Endangered Species

J. Markus Boggs

Education: M.S., Hydrology; B.S., Geophysics

Experience: 37 years in hydrologic investigation and analysis for environmental and engineering applications

Role: Groundwater

Charles E. Bohac, P.E.

Education: Ph.D., M.S., and B.S., Civil Engineering

Experience: 36 years in water resource investigations, water quality analysis, waste treatment and disposal system design, groundwater supply and contamination analysis, and hydro and fossil power plant engineering

Role: Water Supply

Gary S. Brinkworth, P.E.

Education: M.S. and B.S., Electrical Engineering

Experience: 28 years of electric utility experience in system planning, DSM analysis, forecasting, and rate analysis

Role: Need for power, capacity expansion, production cost and financial modeling; stochastic and risk analysis

Lawrence A. Cole

Education: B.S., Electrical Engineering

Experience: 3 years experience as field engineer, 24 years in TVA power control center including 4 years in day ahead generation planning. 1 year experience long term power supply planning. NERC Certified System Operator.

Role: IRP preparation

Edward L. Colston

Education: B.S., Mechanical Engineering

Experience: 30 years in demonstration, design, implementation, and measurement of energy efficiency and demand response programs

Role: Input on energy efficiency and demand response (EEDR) program accomplishments, current programs, and program plans.

Patricia B. Cox

Education: Ph.D., Botany (Plant Taxonomy and Anatomy); M.S. and B.S., Biology

Experience: 31 years in plant taxonomy at the academic level; 7 years in environmental assessment and NEPA compliance

Role: Threatened and Endangered Species, Terrestrial Ecology

Russell E. Dotson, CPA

Education: M.B.A.; B.S., Accounting and Finance

Experience: 9 years in accounting, compliance, and financial reporting and analysis

Role: IRP preparation, metric development, portfolio scoring

L. Suzanne Fisher

Education: M.S., Environmental Health; B.S., Ecology and Evolutionary Biology

Experience: 11 years in Assessments of Environmental Health and Ecological Trends

Role: Greenhouse Gas Emissions, Climate Change

Nicholas D. Galle (Sargent & Lundy)

Education: Masters of Energy Engineering; B.S., Chemical Engineering

Experience: 10 years in energy industry and business management consulting

Role: Need for Power analysis

B. J. Gatten

Education: B. S. in Communications, MBA in Marketing

Experience: 25 years in communications, including issues management, advertising, crisis communications, and public participation

Role: IRP and EIS review, project media relations

Steven M. Gilbert (ScottMadden)

Education: B.S., Mechanical Engineering; M.S., Management and Engineering

Experience: 3 years consulting experience in utility system planning

Role: Scenario planning development; summarizing and communicating results to internal/external stakeholders

Jill Glenn

Education: B.B.A., Marketing; M.B.A., Marketing

Experience: 2 years of experience in project management, including TVA integrated resource planning, distributed generation and green power pricing programs. 5 years experience working in TVA Supply Chain.

Role: Project manager of IRP communications

James R. Hagerman, P.E.

Education: M.S. and B.S., Agricultural Engineering

Experience: 21 years in nonpoint source pollution and water quality

Role: Water Quality

David A. Hankins

Education: B.S., Fish and Wildlife Management

Experience: 30 years in geographic information and engineering

Role: Map Preparation

Heather M. Hart

Education: M.S., Environmental Science and Soils; B.S., Plant and Soil Science

Experience: 8 years in surface water quality and soil and groundwater Investigations; 6 years in Environmental Reviews

Role: Parks, managed areas, and ecologically significant sites

Travis Hill Henry

Education: M.S., Zoology; B.S., Wildlife Biology

Experience: 22 years in zoology and endangered species; 15 years in NEPA compliance

Role: Terrestrial Ecology, Threatened and Endangered Species

Randall E. Johnson, PE

Education: MS, Engineering Management; BS, Civil Engineering; Registered Professional Engineer

Experience: 34 years engineering and project management experience in the areas of fuel handling, combustion and quality control; environmental control systems and balance of plant systems

Role: Integrated Resource Plan project manager

Scott C. Jones, PE

Education: BS, Electrical Engineering, Professional Engineer in Tennessee

Experience: 20 years TVA experience in nuclear systems engineering, resource planning, price forecasting, and financial analysis

Role: Integrated expansion, production cost, and financial modeling. Application of stochastic and risk analysis.

P. Alan Mays

Education: B.S., Plant and Soil Science

Experience: 33 years in soil-plant-atmospheric studies

Role: Prime Farmland

Randy McAdams (ScottMadden)

Education: B.S., Management Science; M.B.A.

Experience: 28 years as a management consultant; the last 23 in the electric utility industry with consulting to over 50 utilities

Role: IRP team member and subject matter expert on integrated resource planning, strategy development, and scenario planning.

Alisha Spears Mulkey

Education: B.S., Environmental and Soil Sciences

Experience: 4 years in land and resource management, 2 years in environmental policy

Role: IRP and EIS preparation, development of strategic environmental metrics

Charles P. Nicholson

Education: PhD, Ecology and Evolutionary Biology; MS, Wildlife Management; BS, Wildlife and Fisheries Science

Experience: 15 years in NEPA compliance, 17 years in wildlife and endangered species management

Role: NEPA compliance and EIS preparation

W. Chett Peebles, RLA; ASLA

Education: Bachelor of Landscape Architecture

Experience: 22 years in site planning, design, and scenic resource management; 5 years in architectural history and historic preservation

Role: Historic Architectural Resources

Kim Pilarski

## Integrated Resource Plan

Education: M.S., Geography, Minor Ecology  
Experience: 15 years in wetlands assessment and delineation  
Role: Wetlands

Erin E. Pritchard

Education: M.A., Anthropology  
Experience: 13 years in archaeology and cultural resource management  
Role: Cultural Resources

Edward A. Stephens, Jr.

Education: MS, Engineering Science and Mechanics; BS, Engineering Science  
Experience: 35 years in the electric power industry; 30 years in research and development on generation, environmental control, and renewable energy technologies  
Role: Carbon sequestration potential, electric power generation technical support

Ryan M. Swanson (Sargent & Lundy)

Education: BS and MS in Mechanical Engineering  
Experience: 2 years in energy research and development  
Role: Energy Alternatives analysis

Tommy R. Thompson

Education: B.S., M.S., Mechanical Engineering  
Experience: 35 years in power plant systems design  
Role: IRP preparation

Christopher D. Ungate (Sargent & Lundy)

Education: M.B.A; B.S., M.S., Civil Engineering  
Experience: 35 years in engineering, planning, management and consulting in the electric utility industry  
Role: Preparation of IRP chapters on Need for Power, Energy Alternatives, and IRP Results

Cassandra L. Wylie

Education: M.S., Forestry and Statistics; B.S., Forestry  
Experience: 22 years in air quality analyses and studying the effects of air pollution on forests  
Role: Air Quality

Courtne E. Yetter

Education: B.S., Environmental and Soil Science  
Experience: Recent graduate  
Role: IRP preparation and editing, project coordination

Michael J. Young, Jr.

Education: B.S., M.S., Business Administration  
Experience: 3 years in TVA system planning, 3 years in TVA risk management and economic analysis  
Role: Capacity expansion modeling and data analysis